

L Number	Hits	Search Text	DB	Time stamp
-	6009	((438/143) or (438/149) or (438/310) or	USPAT;	2002/06/05 18:08
		(438/311) or (438/471) or (438/482) or	US-PGPUB;	
		(438/488) or (438/761) or (438/762) or	EPO; JPO;	
		(438/763) or (438/764) or (438/765) or	DERWENT;	
	1	(438/778)).CCLS.	IBM_TDB	0000/05/05
_	1	(((438/143) or (438/149) or (438/310) or	USPAT;	2002/06/05 18:40
		(438/311) or (438/471) or (438/482) or	US-PGPUB;	
		(438/488) or (438/761) or (438/762) or	EPO; JPO;	
		(438/763) or (438/764) or (438/765) or (438/778)).CCLS.) and metallic and	DERWENT;	
		((second and first) adj (semiconductor	IBM_TDB	
		((second and lifst) adj (semiconductor (film\$1 or layer\$1))) and amorphous and		
		crystall\$4 and (barrier adj (layer or		
		film)) and (inert adj gas\$2)		
_	0	(((438/143) or (438/149) or (438/310) or	USPAT;	2002/06/05 18:16
	-	(438/311) or (438/471) or (438/482) or	US-PGPUB;	
		(438/488) or (438/761) or (438/762) or	EPO; JPO;	
		(438/763) or (438/764) or (438/765) or	DERWENT;	
		(438/778)).CCLS.) with metallic and	IBM_TDB	
		((second and first) adj (semiconductor		
		(film\$1 or layer\$1))) and amorphous and		
		crystall\$4 and (barrier adj (layer or		
	_	film)) and (inert adj gas\$2)	HCD2m	2002/06/05 10:10
-	1	(((438/143) or (438/149) or (438/310) or	USPAT;	2002/06/05 18:18
		(438/311) or (438/471) or (438/482) or	US-PGPUB;	
		(438/488) or (438/761) or (438/762) or (438/763) or (438/764) or (438/765) or	EPO; JPO; DERWENT;	
		(438/778)).CCLS.) and (metallic or(metal\$4	IBM TDB	
		adj clusters)) and ((second and first) adj	12.1_122	
		(semiconductor (film\$1 or layer\$1))) and		
		amorphous and crystall\$4 and (barrier adj		
		(layer or film)) and (inert adj gas\$2)		
-	1	(((438/143) or (438/149) or (438/310) or	USPAT;	2002/06/05 18:20
		(438/311) or (438/471) or (438/482) or	US-PGPUB;	
		(438/488) or (438/761) or (438/762) or	EPO; JPO;	
		(438/763) or (438/764) or (438/765) or	DERWENT;	
		(438/778)).CCLS.) and (metallic or(metal\$4	IBM_TDB	
		adj (cluster\$1 or element\$1))) and ((second and first) adj (semiconductor		
		(film\$1 or layer\$1))) and amorphous and		
		crystall\$4 and (barrier adj (layer or		
		film)) and (inert adj gas\$2)		
_	1	(((438/143) or (438/149) or (438/310) or	USPAT;	2002/06/05 18:22
	_	(438/311) or (438/471) or (438/482) or	US-PGPUB;	
		(438/488) or (438/761) or (438/762) or	EPO; JPO;	
		(438/763) or (438/764) or (438/765) or	DERWENT;	
		(438/778)).CCLS.) and (metallic or(metal\$4	IBM_TDB	
		adj (cluster\$1 or element\$1))) and		
		((second and first) adj (semiconductor		
		(film\$1 or layer\$1))) and amorphous and	1	
		crystall\$4 and (barrier adj (layer or		
l _	3	film)) and (inert adj gas\$2)and getter\$3 (metallic or(metal\$4 adj (cluster\$1 or	USPAT;	2002/06/05 18:25
-	3	element\$1))) and ((second and first) adj	US-PGPUB;	2002/00/03 10:23
		(semiconductor (film\$1 or layer\$1))) and	EPO; JPO;	
		amorphous and crystall\$4 and (barrier adj	DERWENT;	
		(layer or film)) and (inert adj gas\$2) and	IBM TDB	
		getter\$3		
-	647766	(metallic or(metal\$4 adj (cluster\$1 or	USPAT;	2002/06/21 16:52
		element\$1)))	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	0	(metallic or (metal\$4 adj (cluster\$1 or	USPAT;	2002/06/05 18:48
		element(1))) and ((second and first and	US-PGPUB;	
		third) adj (semiconductor (film\$1 or	EPO; JPO;	
		layer\$1))) and amorphous and crystall\$4	DERWENT;	
		and (barrier adj (layer or film)) and	IBM_TDB	
	L	(inert adj gas\$2)and getter\$3	<u> </u>	l

 01/	/164 -d-	(2)

Compact Comp
third) adj (semiconductor (film\$1 or layer\$1))) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2 adj element) and getter\$3 ((second and first and third) adj (semiconductor (film\$1 or layer\$1))) (((metallic or(metal\$4 adj (cluster\$1 or element\$1)))) and ((second and first and third) adj (semiconductor (film\$1 or layer\$1)) (((metallic or(metal\$4 adj (cluster\$1 or element\$1)))) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 ((inert adj gas\$2) and getter\$3 ((inert adj gas\$2) and getter\$3 ((inert adj gas\$2) and amorphous and crystall\$4 and (barrier adj (cluster\$1 or element\$1))) and ((second and first) adj (film\$1 or layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 ((inert adj gas\$2) and getter\$3 (inert adj gas\$2) and getter\$3
layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2 adj element) and getter\$3
and (barrier adj (layer or film)) and (inert adj gas\$2 adj element) and getter\$3 ((second and first and third) adj (semiconductor (film\$1 or layer\$1))) (((metallic or(metal\$4 adj (cluster\$1 or element\$1)))) and ((second and first and third) adj (semiconductor (film\$1 or layer\$1))))) and (semiconductor (film\$1 or layer\$1))))) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 (metallic or(metal\$4 adj (cluster\$1 or element\$1))) and (second and first) adj (film\$1 or layer\$1)) and amorphous and crystall\$4 adj (film\$1 or layer\$1)) and amorphous and crystall\$4 adj (film\$1 or layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 ((((438/143) or (438/441) or (438/310) or (438/311) or (438/471) or (438/482) or (438/763) or (438/764) or (438/765) or DERWENT; (438/763) or (438/764) or (438/765) or DERWENT; (438/778)).CCLS.) and metallic and
Cinert adj gas\$2 adj element) and getter\$3
Comparison of the comparison
(semiconductor (film\$1 or layer\$1))
- 0 (((metallic or(metal\$4 adj (cluster\$1 or element\$1)))) and (((second and first and third) adj (semiconductor (film\$1 or layer\$1)))) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 - 3 (metallic or(metal\$4 adj (cluster\$1 or element\$1))) and ((second and first) adj (film\$1 or layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) ard (crystall\$4 and (barrier adj (layer or film))) and (inert adj gas\$2) and getter\$3 - 1 ((((438/143) or (438/149) or (438/310) or (438/311)) or (438/471) or (438/482) or (438/488) or (438/764) or (438/765) or (438/763)). CCLS.) and metallic and DERWENT; IBM_TDB
- 0 (((metallic or(metal\$4 adj (cluster\$1 or element\$1)))) and (((second and first and third) adj (semiconductor (film\$1 or layer\$1)))) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 - 3 (metallic or(metal\$4 adj (cluster\$1 or element\$1))) and ((second and first) adj (film\$1 or layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) and ((second and first) adj (film\$1 or layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 - 1 ((((438/143) or (438/149) or (438/310) or (438/311) or (438/471) or (438/482) or (438/763) or (438/764) or (438/765) or (berwent; (438/778)).CCLS.) and metallic and library and color layer and metallic and layer and color laye
- 0 (((metallic or(metal\$4 adj (cluster\$1 or element\$1)))) and (((second and first and third) adj (semiconductor (film\$1 or layer\$1))))) and amorphous and crystall\$4 adj (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 3 (metallic or(metal\$4 adj (cluster\$1 or element\$1))) and ((second and first) adj (film\$1 or layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 1 ((((438/143) or (438/149) or (438/310) or USPAT; (438/311) or (438/471) or (438/482) or USPAT; (438/488) or (438/761) or (438/762) or USPAT; (438/763) or (438/764) or (438/765) or DERWENT; (438/778)).CCLS.) and metallic and IBM_TDB
element\$1)))) and (((second and first and third) adj (semiconductor (film\$1 or layer\$1))))) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 3 (metallic or(metal\$4 adj (cluster\$1 or element\$1))) and ((second and first)) adj (film\$1 or layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 1 (((438/143) or (438/149) or (438/310) or (438/311) or (438/471) or (438/482) or (438/383) or (438/761) or (438/762) or (438/763) or (438/764) or (438/765) or (438/778)).CCLS.) and metallic and US-PGPUB; EPO; JPO; DERWENT; (438/778)).CCLS.) and metallic and IBM_TDB
third) adj (semiconductor (film\$1 or layer\$1)))) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 (metallic or(metal\$4 adj (cluster\$1 or element\$1))) and ((second and first) adj (film\$1 or layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 ((((438/143) or (438/149) or (438/310) or (438/311) or (438/471) or (438/482) or (438/488) or (438/761) or (438/762) or (438/763) or (438/764) or (438/765) or (438/778)).CCLS.) and metallic and EPO; JPO; DERWENT; IBM_TDB
layer\$1))))) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 (metallic or(metal\$4 adj (cluster\$1 or element\$1))) and ((second and first) adj (Second and first)) adj (Crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 ((((438/143) or (438/149) or (438/310) or (438/311) or (438/471) or (438/482) or (438/488) or (438/761) or (438/762) or (438/763) or (438/764) or (438/765) or (438/778)).CCLS.) and metallic and IBM_TDB
and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 3 (metallic or(metal\$4 adj (cluster\$1 or element\$1))) and ((second and first) adj (Second and first)) adj (Second and first) adj (Second and first)) and amorphous and (Second and first) adj (Second and first)) and (second and first) adj (Second and fi
<pre>(inert adj gas\$2)and getter\$3 (metallic or(metal\$4 adj (cluster\$1 or element\$1))) and ((second and first) adj (film\$1 or layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2)and getter\$3 ((((438/143) or (438/149) or (438/310) or (438/311) or (438/471) or (438/482) or (438/488) or (438/761) or (438/762) or (438/763) or (438/764) or (438/765) or (438/778)).CCLS.) and metallic and</pre> USPAT; US-PGPUB; (438/763) or (438/764) or (438/765) or DERWENT; (438/778)).CCLS.) and metallic and IBM_TDB
- 3 (metallic or(metal\$4 adj (cluster\$1 or element\$1))) and ((second and first) adj (SPAT; US-PGPUB; (film\$1 or layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 ((((438/143) or (438/149) or (438/310) or (438/311) or (438/471) or (438/482) or (438/488) or (438/761) or (438/762) or (438/763) or (438/764) or (438/765) or (438/778)).CCLS.) and metallic and USPAT; (2002/06/05 18:4)
element\$1))) and ((second and first) adj (film\$1 or layer\$1)) and amorphous and crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3
crystall\$4 and (barrier adj (layer or film)) and (inert adj gas\$2) and getter\$3 ((((438/143) or (438/149) or (438/310) or (438/311) or (438/471) or (438/482) or (438/488) or (438/761) or (438/762) or (438/763) or (438/764) or (438/765) or (438/778)).CCLS.) and metallic and IBM_TDB
film)) and (inert adj gas\$2)and getter\$3 IBM_TDB (((438/143) or (438/149) or (438/310) or USPAT; (438/311) or (438/471) or (438/482) or US-PGPUB; (438/488) or (438/761) or (438/762) or EPO; JPO; (438/763) or (438/764) or (438/765) or DERWENT; (438/778)).CCLS.) and metallic and IBM_TDB
- 1 ((((438/143) or (438/149) or (438/310) or USPAT; (438/311) or (438/471) or (438/482) or US-PGPUB; (438/488) or (438/761) or (438/762) or EPO; JPO; (438/763) or (438/764) or (438/765) or DERWENT; (438/778)).CCLS.) and metallic and IBM_TDB
(438/311) or (438/471) or (438/482) or US-PGPUB; (438/488) or (438/761) or (438/762) or EPO; JPO; (438/763) or (438/764) or (438/765) or DERWENT; (438/778)).CCLS.) and metallic and IBM_TDB
(438/488) or (438/761) or (438/762) or (438/763) or (438/764) or (438/765) or (438/778)).CCLS.) and metallic and IBM_TDB
(438/763) or (438/764) or (438/765) or DERWENT; (438/778)).CCLS.) and metallic and IBM_TDB
(438/778)).CCLS.) and metallic and IBM_TDB
((second and first) adj (semiconductor
(film\$1 or layer\$1))) and amorphous and
crystall\$4 and (barrier adj (layer or
film)) and (inert adj gas\$2)) and getter\$3
- 15096 getter\$3 USPAT; 2002/06/05 20:2
US-PGPUB;
EPO; JPO;
DERWENT; IBM TDB
- 2810 ((metallic or(metal\$4 adj (cluster\$1 or USPAT; 2002/06/05 18:4
element\$1)))) and getter\$3 US-PGPUB;
EPO; JPO;
DERWENT;
IBM_TDB
- 12 (((metallic or(metal\$4 adj (cluster\$1 or USPAT; 2002/06/05 18:4
element\$1)))) and getter\$3) and amorphous US-PGPUB;
and crystall\$4 and (barrier adj (layer or EPO; JPO;
film)) and (inert adj gas\$2) DERWENT; IBM TDB
- 0 (metallic or(metal\$4 or (metal\$4 adj USPAT; 2002/06/05 18:5
(cluster\$1 or element\$1)))) and ((second US-PGPUB;
and first and third) adj (semiconductor EPO; JPO;
(film\$1 or layer\$1))) and amorphous and DERWENT;
crystall\$4 and (barrier adj (layer or IBM_TDB
film)) and (inert adj gas\$2) and getter\$3
- 0 (metallic or(metal\$4 or (metal\$4 adj USPAT; 2002/06/05 18:5 (cluster\$1 or element\$1)))) and ((first US-PGPUB;
(cluster\$1 or element\$1)))) and ((first US-PGPUB; and second and third) adj (film\$1 or EPO; JPO;
layer\$1)) and amorphous and crystall\$4 and DERWENT;
(barrier adj (layer or film)) and (inert IBM TDB
adj gas\$2)and getter\$3
- 5 (metallic or(metal\$4 or (metal\$4 adj USPAT; 2002/06/05 20:2
(cluster\$1 or element\$1)))) and (first adj US-PGPUB;
(film\$1 or layer\$1)) and amorphous and EPO; JPO;
crystall\$4 and (barrier adj (layer or DERWENT;
film)) and (inert adj gas\$2)and getter\$3 IBM_TDB
(cluster\$1 or element\$1)))) and US-PGPUB;
(semiconductor adj (film\$1 or layer\$1)) EPO; JPO;
and amorphous and crystall\$4 and (barrier DERWENT;
adj (layer or film)) and (inert adj IBM_TDB
gas\$2)and getter\$3

_	8595	<pre>(metallic or(metal\$4 or (metal\$4 adj (cluster\$1 or element\$1)))) and getter\$3</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/06/05 20:28
			IBM TDB	
-	0	<pre>(metallic or(metal\$4 or (metal\$4 adj (cluster\$1 or element\$1)))) and getter\$3 and amorphrous</pre>	USPĀT; US-PGPUB; EPO; JPO;	2002/06/05 20:31
_	1086	(metallic or(metal\$4 or (metal\$4 adj	DERWENT; IBM_TDB USPAT;	2002/06/05 20:32
		<pre>(cluster\$1 or element\$1))) and getter\$3 and amorphous</pre>	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	
_	715	((metallic or(metal\$4 or (metal\$4 adj (cluster\$1 or element\$1)))) and getter\$3 and amorphous) and crystall\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/06/05 20:32
_	189	<pre>(((metallic or(metal\$4 or (metal\$4 adj (cluster\$1 or element\$1)))) and getter\$3 and amorphous) and crystall\$4) and inert adj gas\$2</pre>	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/06/05 20:33
-	14	(cluster\$1 or element\$1)))) and getter\$3 and amorphous) and crystall\$4) and inert	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/06/05 20:33
		adj gas\$2) and (barrier adj (layer or	DERWENT;	,
-	6	film)) (("6087679") or ("6077731") or ("6147667") or ("6133073") or ("6168980") or	IBM_TDB USPAT; US-PGPUB	2002/06/07 13:54
_	4	("6107639")).PN. ((("6087679") or ("6077731") or ("6147667") or ("6133073") or ("6168980")	USPAT; US-PGPUB	2002/06/07 14:52
-	3	or ("6107639")).PN.) and barrier (((("6087679") or ("6077731") or ("6147667") or ("6133073") or ("6168980") or ("6107639")).PN.) and barrier) and	USPAT; US-PGPUB	2002/06/07 14:51
_	1	block\$3 (("6396147").PN.) and barrier	USPAT; US-PGPUB	2002/06/07 14:53
-	1	((("6396147").PN.) and barrier) and amorphous	USPAT; US-PGPUB	2002/06/07 14:53
_	1	(((("6396147").PN.) and barrier) and amorphous) and crystal\$4	USPAT; US-PGPUB	2002/06/07 14:53
_	1		USPAT; US-PGPUB	2002/06/07 14:54
_	1		USPAT; US-PGPUB	2002/06/07 14:54
_	835	((438/166) or (438/486) or (438/476)).CCLS.	USPAT; US-PGPUB	2002/06/08 13:58
_	215		USPAT; US-PGPUB	2002/06/08 14:43
-	28	((((438/166) or (438/486) or (438/476)).CCLS.) and getter\$3) and (inert or noble) adj gas	USPAT; US-PGPUB	2002/06/08 14:43
_	9		USPAT; US-PGPUB	2002/06/08 14:44
_	0	("FOR0146").PN.	USPAT; US-PGPUB	2002/06/08 14:08
-	0	("FOR0146").PN.	JPO; DERWENT; IBM TDB	2002/06/10 19:02
_	96	((((438/166) or (438/486) or (438/476)).CCLS.) and getter\$3) and amorphous	USPAT; US-PGPUB	2002/06/08 14:43

_	16	(((((438/166) or (438/486) or	USPAT;	2002/06/08 14:43
İ		(438/476)).CCLS.) and getter\$3) and	US-PGPUB	
		amorphous) and (inert or noble) adj gas		
-	6	((((((438/166) or (438/486) or	USPAT;	2002/06/08 14:44
		(438/476)).CCLS.) and getter\$3) and	US-PGPUB	
	1	amorphous) and (inert or noble) adj gas)		
		and barrier		
-	1	("6396147").PN.	USPAT;	2002/06/10 17:37
			US-PGPUB	
-	1	("5789284").PN.	USPAT;	2002/06/10 17:37
			US-PGPUB	
_	0	("FOR 146").PN.	JPO;	2002/06/10 19:04
			DERWENT;	
			IBM TDB	
-	9	(metallic or(metal\$4 adj (cluster\$1 or	USPAT;	2002/06/21 16:53
		element\$1))) with (anneal\$ with (electric	US-PGPUB;	
		adj current))	EPO; JPO;	1
			DERWENT;	
			IBM TDB	1
-	1	("20020086469").PN.	USPAT;	2003/06/02 17:02
			US-PGPUB	
-	19346	kim.in.	USPAT;	2003/06/02 17:02
			US-PGPUB	
-	8679	getter\$3	USPAT;	2003/06/02 17:03
			US-PGPUB	
-	44	kim.in. and getter\$3	USPAT;	2003/06/02 17:03
			US-PGPUB	
-	16337	getter\$3 or getter	USPAT;	2003/06/03 13:50
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB]
-	2089	"semiconductor energy laboratory"	USPAT;	2003/06/03 13:52
			US-PGPUB	
-	19706	tft or (thin adj film adj transistor)	USPAT;	2003/06/03 13:58
			US-PGPUB	
-	641	(getter\$3 or getter) and (tft or (thin adj	USPAT;	2003/06/03 14:00
		film adj transistor))	US-PGPUB	
-	248	((getter\$3 or getter) and (tft or (thin	USPAT;	2003/06/03 14:00
		adj film adj transistor))) not	US-PGPUB	
		"semiconductor energy laboratory"		
-	40		USPAT;	2003/06/03 14:02
1		adj film adj transistor))) not	US-PGPUB	
]		"semiconductor energy laboratory") and		
		@ad<20010216) and 438/\$.ccls.		
-	111	(((getter\$3 or getter) and (tft or (thin	USPAT;	2003/06/03 18:03
		adj film adj transistor))) not	US-PGPUB	
		"semiconductor energy laboratory") and		
		@ad<20010216		
-	32627	ozone	USPAT;	2003/06/03 18:02
			US-PGPUB	
-	110	(((getter\$3 or getter) and (tft or (thin	USPAT;	2003/06/03 18:03
		adj film adj transistor))) not	US-PGPUB	
		"semiconductor energy laboratory") and		
		@ad<20010216		
-	3	ozone and ((((getter\$3 or getter) and (tft	USPAT;	2003/06/03 18:12
		or (thin adj film adj transistor))) not	US-PGPUB	
		"semiconductor energy laboratory") and		
		@ad<20010216)		
-	66319	deioniz\$3	USPAT;	2003/06/03 18:13
	_	l	US-PGPUB	
-	0	((((getter\$3 or getter) and (tft or (thin	USPAT;	2003/06/03 18:13
		adj film adj transistor))) not	US-PGPUB	
		"semiconductor energy laboratory") and		
		@ad<20010216) and deioniz\$3		
-	556	((483/471) or (438/472) or (438/473) or	USPAT;	2003/06/06 12:37
		(438/474) or (438/475) or (438/476) or	US-PGPUB	
	10010	(438/477)).CCLS.		
-	18319	amorphous\$3 and crystal\$8 and laser	USPAT;	2003/06/06 12:38
			US-PGPUB	

-	692277	barrier or (oxide or nitride or oxynitride)	USPAT; US-PGPUB	2003/06/06 12:38
-	61	(((483/471) or (438/472) or (438/473) or (438/474) or (438/475) or (438/476) or	USPAT; US-PGPUB	2003/06/06 12:38
		(438/477)).CCLS.) and (amorphous\$3 and crystal\$8 and laser)		
_	57	((((483/471) or (438/472) or (438/473) or	USPAT;	2003/06/06 14:19
		(438/474) or (438/475) or (438/476) or (438/477)).CCLS.) and (amorphous\$3 and	US-PGPUB	
		crystal\$8 and laser)) and (barrier or		
_	57	(oxide or nitride or oxynitride)) ((((483/471) or (438/472) or (438/473) or	USPAT;	2003/06/06 14:22
]	(438/474) or (438/475) or (438/476) or	US-PGPUB	2003/00/00 11:22
		(438/477)).CCLS.) and (amorphous\$3 and crystal\$8 and laser)) and (barrier or		
		(oxide or nitride or oxynitride))		
-	5183	catalytic near metal	USPAT; US-PGPUB	2003/06/06 14:24
_	1	(((((483/471) or (438/472) or (438/473) or	US-PGPUB USPAT;	2003/06/06 14:21
		(438/474) or (438/475) or (438/476) or	US-PGPUB	
		(438/477)).CCLS.) and (amorphous\$3 and crystal\$8 and laser)) and (barrier or		
		(oxide or nitride or oxynitride))) and		
_	112610	(catalytic near metal) amorphous\$3	USPAT;	2003/06/06 14:22
		-	US-PGPUB	
-	505011	crystal\$8	USPAT; US-PGPUB	2003/06/06 14:23
-	260315	laser	USPAT;	2003/06/06 14:23
_	692277	barrier or (oxide or nitride or	US-PGPUB USPAT;	2003/06/06 15:22
		oxynitride)	US-PGPUB	
-	28707	(catalytic or cluster or element) near metal	USPAT; US-PGPUB	2003/06/06 14:25
_	2556	crystal\$8 same ((catalytic or cluster or	USPAT;	2003/06/06 14:25
_	1285	element) near metal) (crystal\$8 same ((catalytic or cluster or	US-PGPUB USPAT;	2003/06/06 14:25
		element) near metal)) and amorphous\$3	US-PGPUB	
-	709	((crystal\$8 same ((catalytic or cluster or element) near metal)) and amorphous\$3	USPAT; US-PGPUB	2003/06/06 14:26
) and laser	OS EGLOB	
-	676	<pre>(((crystal\$8 same ((catalytic or cluster or element) near metal)) and amorphous\$3</pre>	USPAT; US-PGPUB	2003/06/06 14:26
) and laser) and (barrier or (oxide or	03-FGF0B	
_	8423	nitride or oxynitride)) getter or gettering	USPAT;	2003/06/06 14:26
_	0423	getter or gettering	US-PGPUB	2003/00/00 14.20
-	233	<pre>((((crystal\$8 same ((catalytic or cluster or element) near metal)) and amorphous\$3</pre>	USPAT; US-PGPUB	2003/06/06 14:45
) and laser) and (barrier or (oxide or	OS FGFOB	
		nitride or oxynitride))) and (getter or gettering)		
_	5636607	gettering) (fe or iron) or(co or cobalt) or (ni or	USPAT;	2003/06/06 14:50
		nickel) or (cu or copper) or (ru or	US-PGPUB	
		ruthenium) or (rh or rhodium) or (pd or palladium) or (os or osmium) or (ir or		
		iridium) or (pt or platinum) or (au or		
_	124463	gold) ((fe or iron) or(co or cobalt) or (ni or	USPAT;	2003/06/06 14:51
		nickel) or (cu or copper) or (ru or	US-PGPUB	
		ruthenium) or (rh or rhodium) or (pd or palladium) or (os or osmium) or (ir or		
		iridium) or (pt or platinum) or (au or		
_	29298	<pre>gold)) same crystal\$8 amorphous\$3 and (((fe or iron) or(co or</pre>	USPAT;	2003/06/06 14:51
		cobalt) or (ni or nickel) or (cu or	US-PGPUB	
		copper) or (ru or ruthenium) or (rh or rhodium) or (pd or palladium) or (os or		
		osmium) or (ir or iridium) or (pt or		
		platinum) or (au or gold)) same crystal\$8)		
	·		·	

-	22525	(amorphous\$3 and (((fe or iron) or(co or	USPAT;	2003/06/06 14:51
		cobalt) or (ni or nickel) or (cu or	US-PGPUB	
		copper) or (ru or ruthenium) or (rh or		
	1	rhodium) or (pd or palladium) or (os or osmium) or (ir or iridium) or (pt or		
		platinum) or (au or gold)) same		
	1	crystal\$8)) and (barrier or (oxide or		
1		nitride or oxynitride))		
_	690		USPAT;	2003/06/06 14:52
1		or cobalt) or (ni or nickel) or (cu or	US-PGPUB	
	1	copper) or (ru or ruthenium) or (rh or		
	-	rhodium) or (pd or palladium) or (os or		
ě		osmium) or (ir or iridium) or (pt or		
		platinum) or (au or gold)) same		
	1	crystal\$8)) and (barrier or (oxide or		ŧ .
		nitride or oxynitride))) and (getter or gettering)		
_	531	(((amorphous\$3 and (((fe or iron) or(co	USPAT;	2003/06/06 14:52
	331	or cobalt) or (ni or nickel) or (cu or	US-PGPUB	2003/00/00 14.32
		copper) or (ru or ruthenium) or (rh or	00 10102	
		rhodium) or (pd or palladium) or (os or		
		osmium) or (ir or iridium) or (pt or		
	1	platinum) or (au or gold)) same		
	1	crystal\$8)) and (barrier or (oxide or		
		nitride or oxynitride))) and (getter or		
_	133656	gettering)) and laser (barrier or (oxide or nitride or	USPAT;	2003/06/06 15:23
	133036	oxynitride)) near (film or layer)	US-PGPUB	2000,00,00 10.25
_	14785	((barrier or (oxide or nitride or	USPAT;	2003/06/06 15:23
		oxynitride)) near (film or layer)) and	US-PGPUB	
		(((fe or iron) or(co or cobalt) or (ni or		
		nickel) or (cu or copper) or (ru or		
		ruthenium) or (rh or rhodium) or (pd or		
		palladium) or (os or osmium) or (ir or		
		iridium) or (pt or platinum) or (au or gold)) same crystal\$8)		
_	6367	(((barrier or (oxide or nitride or	USPAT;	2003/06/06 15:24
	0307	oxynitride)) near (film or layer)) and	US-PGPUB	2003/00/00 13.24
		(((fe or iron) or (co or cobalt) or (ni or		
		nickel) or (cu or copper) or (ru or		i
		ruthenium) or (rh or rhodium) or (pd or		
	İ	palladium) or (os or osmium) or (ir or		
	1	iridium) or (pt or platinum) or (au or		
	614	gold)) same crystal\$8)) and amorphous\$3	HCDAM.	2003/06/06 15:24
_	614	((((barrier or (oxide or nitride or oxynitride)) near (film or layer)) and	USPAT; US-PGPUB	2003/00/00 13:24
	1	(((fe or iron) or (co or cobalt) or (ni or	00 10102	
		nickel) or (cu or copper) or (ru or		
		ruthenium) or (rh or rhodium) or (pd or		
		palladium) or (os or osmium) or (ir or		
		iridium) or (pt or platinum) or (au or		
		gold)) same crystal\$8)) and amorphous\$3)		
	E11	and (getter or gettering)	HCDAM.	2003/06/06 15:04
-	511	(((((barrier or (oxide or nitride or oxynitride)) near (film or layer)) and	USPAT; US-PGPUB	2003/06/06 15:24
		(((fe or iron) or co or cobalt) or (ni or	33 19108	
		nickel) or (cu or copper) or (ru or	1	
		ruthenium) or (rh or rhodium) or (pd or	ļ	
		palladium) or (os or osmium) or (ir or		
		iridium) or (pt or platinum) or (au or		
		<pre>gold)) same crystal\$8)) and amorphous\$3)</pre>		
	1.4	and (getter or gettering)) and laser	HCDAT	2002/06/06 15:40
-	44 5	5821138.URPN. ("4838654" "5376561" "5488012"	USPAT	2003/06/06 15:49 2003/06/06 15:54
		"5529937" "5618739").PN.	JULAI	2003/00/00 13:34
1 -	13	("4024626" "4759610" "4771016"	USPAT	2003/06/06 15:54
		"4838654" "4885616" "4906587"		
		"4968638" "4980308" "4984033"		
		"5110748" "5206749" "5256562"		
		"5455187").PN.	<u> </u>	

-	13	("4024626" "4759610" "4771016"	USPAT	2003/06/06 15:54
		"4838654" "4885616" "4906587"		
		"4968638" "4980308" "4984033"		
		"5110748" "5206749" "5256562"		
		"5455187").PN.		
-	0	6337259.URPN.	USPAT	2003/06/06 16:14
-	1	"6140166".PN.	USPAT	2003/06/06 16:14
-	0	6337259.URPN.	USPAT	2003/06/06 16:15
-	0	6376336.URPN.	USPAT	2003/06/06 17:06
-	30	("3936858" "4498227" "5194395"	USPAT	2003/06/06 17:06
		"5244819" "5272104" "5443661"		
		"5453153" "5501993" "5646053"		
		"5753560" "5773152" "5795809"		
		"5807771" "5818085" "5882990"		
		"5899732" "5926727" "5929508"		
		"5965917" "5976956" "6001711"		
		"6010950" "6013584" "6022793"		
		"6024888" "6083324" "6093624"		i
		"6100202" "6114223" "6133123").PN.		
_	1	("5605847").PN.	USPAT;	2003/06/15 11:57
	_		US-PGPUB	
<u>-</u>	1	("6097037").PN.	USPAT;	2003/06/15 11:57
	_	, , , , , , , , , , , , , , , , , , , ,	US-PGPUB	
_	1	("6337259").PN.	USPAT;	2003/06/15 12:10
	_	, , , , , , , , , , , , , , , , , , , ,	US-PGPUB	
_	36	funai.in.	USPAT;	2003/06/15 16:13
			US-PGPUB	
_	1	("5550070").PN.	USPAT;	2003/06/15 16:49
	_	, , , , , , , , , , , , , , , , , , , ,	US-PGPUB	